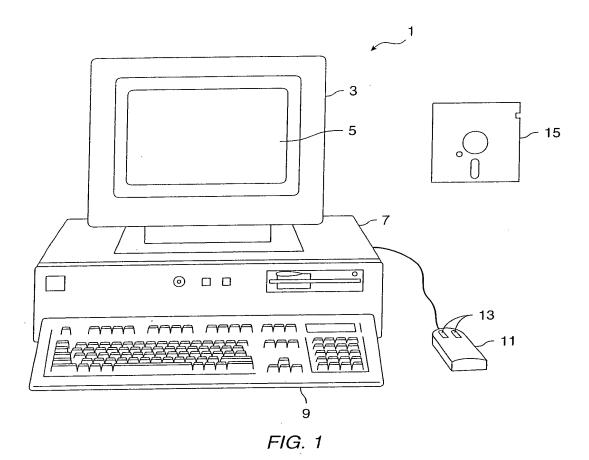
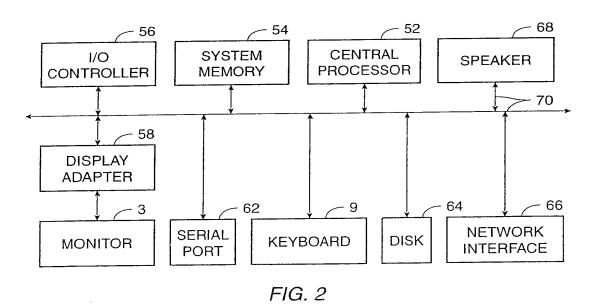
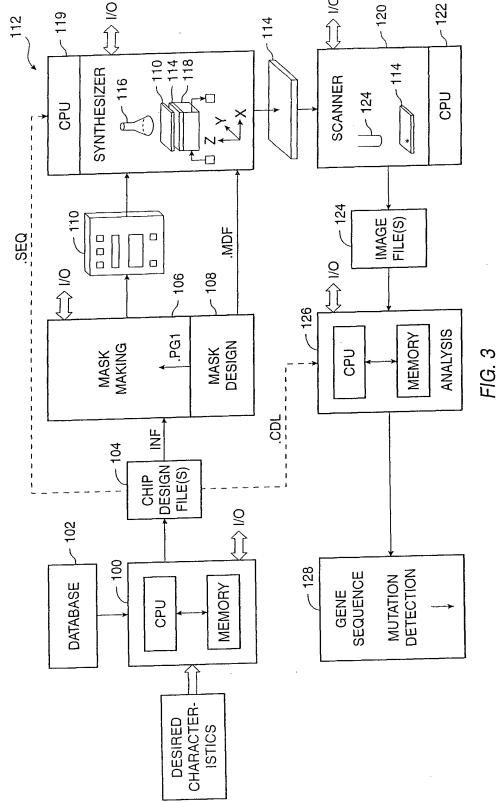
}







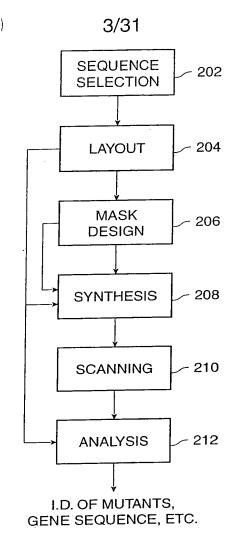


FIG. 4

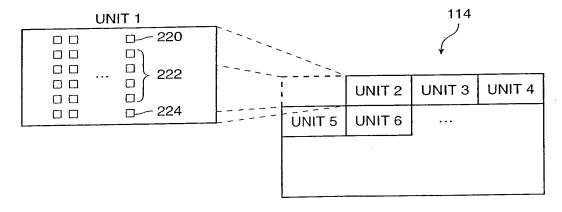


FIG. 5

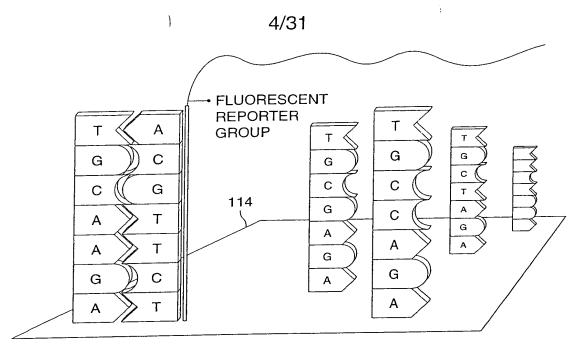
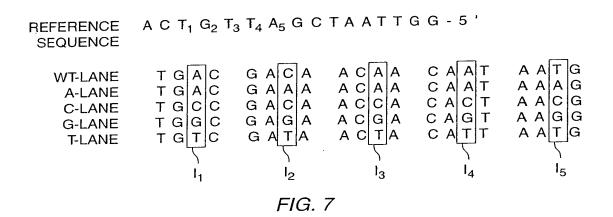


FIG. 6



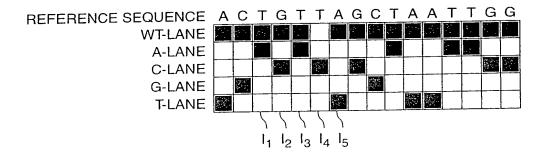


FIG. 8

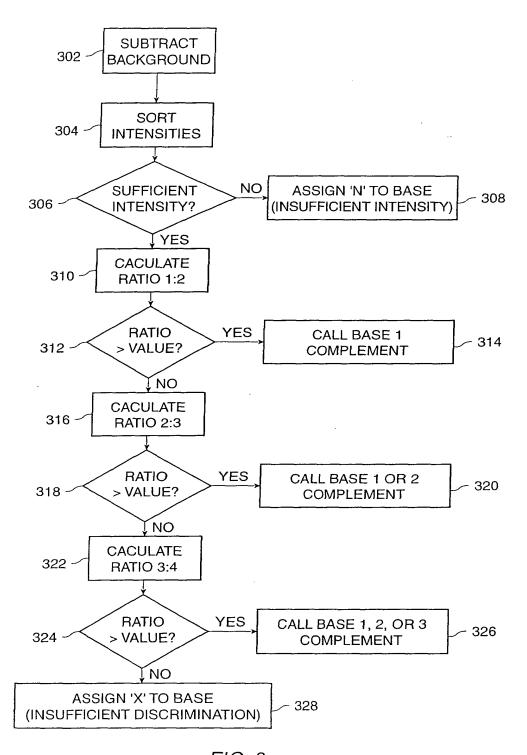


FIG. 9

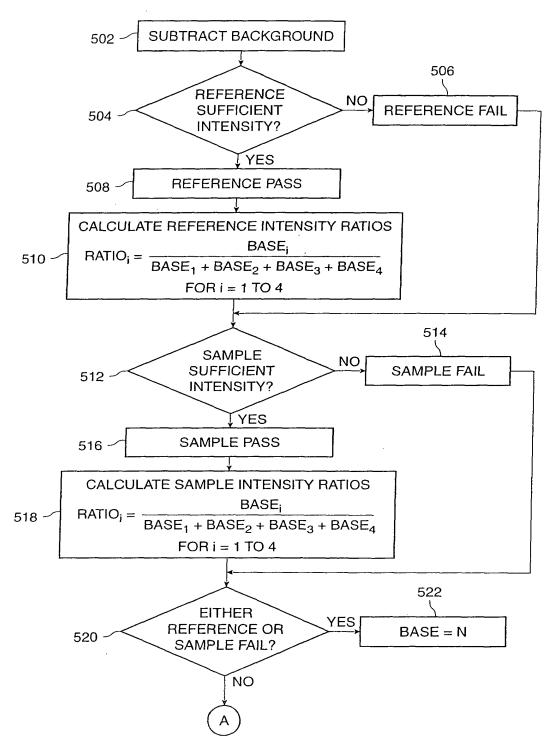
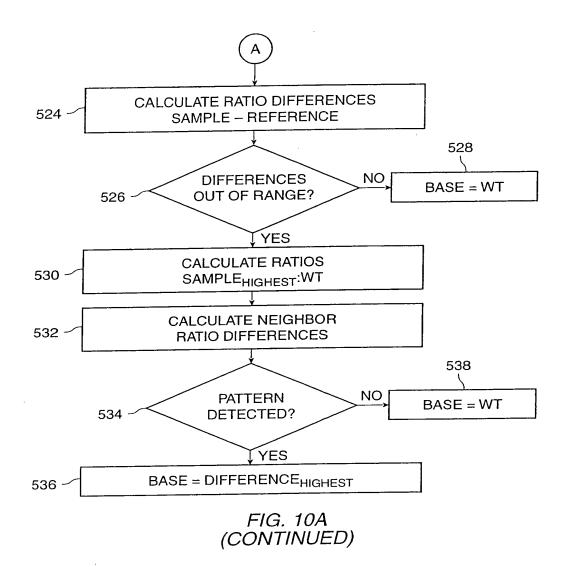


FIG. 10A



			1
	A C G T A/A C/C G/G T/T BASE CONFIDENCE	-	18
	BASE	ග	9 10 11 12 13 14 15 16 17
OS	1,1	0.4	16
RATI	g/g	1.0	15
RATIO OF RATIOS	2/2	6.4 2.3 1.0 14.5 1.1 4.3 1.0 0.4	14
PATI	A/A	7.	13
	⊢	14.5	12
	G	1.0	=
س ا	O	2.3	9
SAMPLE	A	6.4	ნ
/S	BACK- GROUND	<u>a</u>	ω
	H	5.6	7
	Ŋ	7.2 9.9 1.0 5.6	4 5 6 7
핑	A G	6.6	വ
REFERENCE	А	7.2	4
REF	BACK- GROUND	Ъ	8
L	M M	O	~
	POSITION WT	463	-

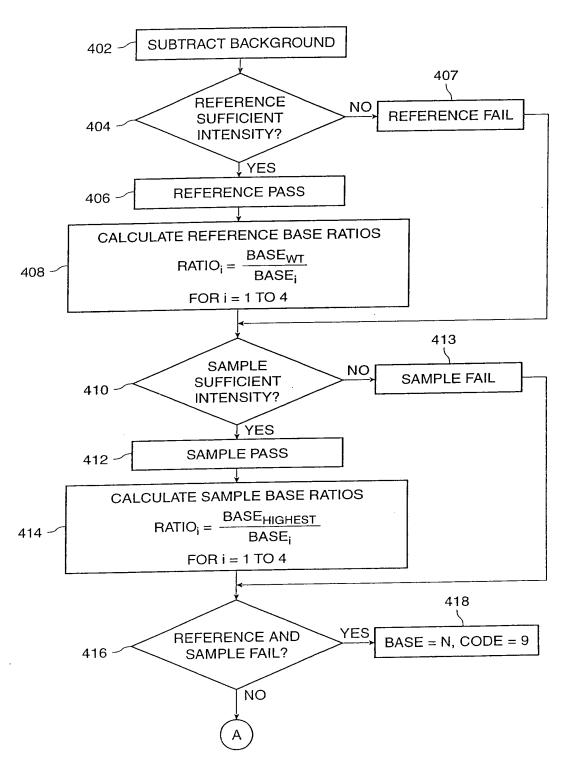


FIG. 11A

)

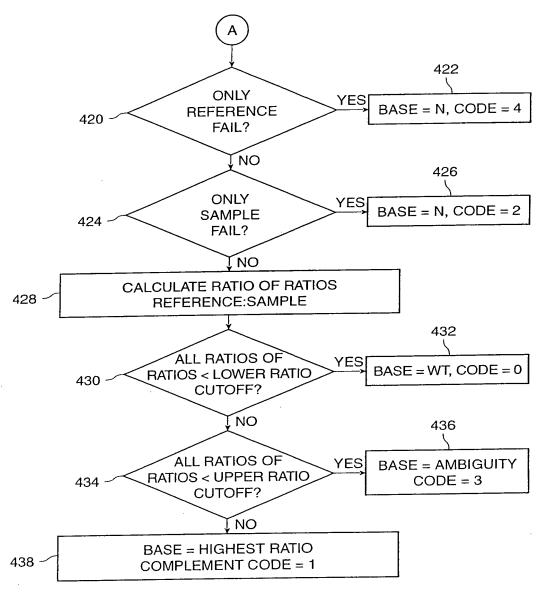


FIG. 11A (CONTINUED)

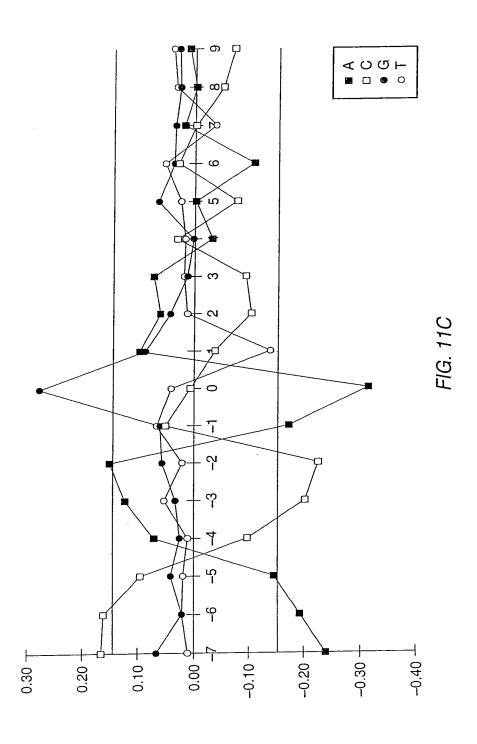
							≻502A·)				1	1/3	31					> 502B)			
	σ.	250	2	Σ	154	175	55	37	421	154	175			250	4	Σ	256	234	109	85	684	256	256
	00	249	O	O	126	250	59	52	487	250	250			249	O	×	180	324	104	97	705	324	324
	7	248	H	⊢	178	257	142	320	968	320	320			248	 	×	286	379	254	427	1346	427	427
	9	247	A	4	223	28	30	16	298	223	223			247	A	٨	337	65	71	57	529	337	337
	5	246	O	O	15	244	10	7	276	244	244			246	O	O	22	376	47	23	472	376	376
	4	245	A	A	158	13	11	-	182	158	158			245	A	A	242	27	16	2	291	242	242
	n	244	O	O	18	249	თ	2	279	249	249		ļ	244	O	ပ	49	288	17	80	362	288	288
	2	243	O	O	31	249	13	9	298	249	249			243	O	O	58	259	30	11	357	259	, 259
	_	242	⊢	_	97	139	100	261	598	261	261			242	 	×	234	175	231	267	906	267	1 267
	0	241	4	A	385	99	107	79	671	385	385			241	A	×	332	199	5 571	3 205	1307	3 332	3 571
	-	240	4	A	282	38	27	27	374	282	282			240	A	A	3 283	7 74	5 65	89	4 489	7 283	7 283
	-2	239	ပ	O	88	278	17	14	347	278	278		_	239	O	S ×	126	7 277	1 52	29	3 484	7 277	7 277
	ကု	238	0	O	2	345	64	4	, 522	345	345			7 238	O	0	4 191	2 337	9 114	1 96	6 738	2 337	2 337
	4-	237	O	O	17	167	16	9	3 207	167	167			3 237	A	A	44	4 202	4 29	6	4 286	0 202	50 202
	-5	236	A	∀	165	42	20	10	238	165	165			5 236	, A		3 150	1 74	34	9 16	9 274	3 150	
LES	9-	235	A	٨	193	9	32	5	340	193	193			1 235	A	Σ	1 238	9 291	2 72	39	039	4 238	9 291
ENSI	-7	234	⋖	A	148	57	56	6	240	148	148			234	1	Σ	194	209	92	25	520	194	209
BCK SUBTRACTED INTENSITIES	RY090203.CQ1	POSITION:	WILDTYPE:	CALLED:	A	٥	B	-	S	WTR	MAXR	MC090407.CQ1	POSITION:	WILDTYPE:	CALLED:	A	O	5	1	S	WTR	MAXR	

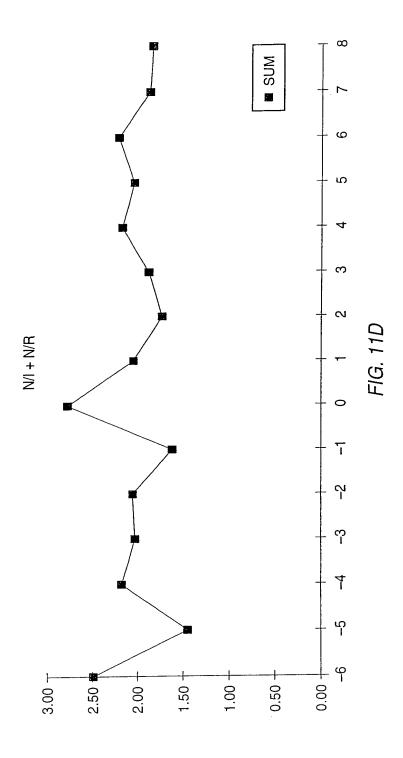
FIG. 11B

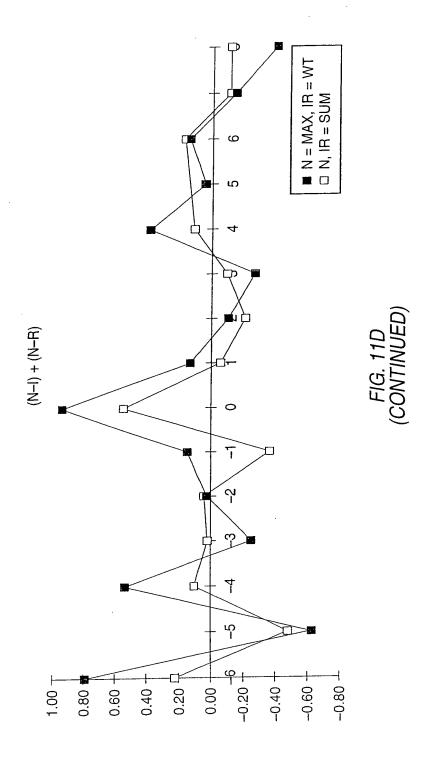
	530		. !	- 532				12	/3-	1					
1.66	1.66			1				T			1.63				
1.30 1.66	1.30	0.40	0.04	-0.36		-					1.45	1.85	-0.12	-0.06	-0.18
1.34	1.00 1.48 1.02 1.04 1.15 1.54 1.54 1.51 1.34	0.04 0.14 -0.13 -0.40	0.01 -0.04 -0.17 -0.04	0.24 -0.02 -0.01 -0.48 0.46 -0.02 -0.11 -0.38 -0.01 0.04 0.17 0.04 -0.36	-0.13	-0.13	0.21	-0.48			1.41 1.39 1.31 1.95 1.52 1.20 1.30 1.60 1.71 1.78 1.50 1.45	2.05 1.61 2.77 2.04 1.71 1.89 2.18 2.03 2.22 1.88	0.22 -0.48 0.10 0.02 0.03 -0.36 0.54 -0.06 -0.21 -0.10 0.10 0.02 0.17 -0.11	0.30 0.10 0.07 -0.27 -0.06	0.02 0.09 -0.64 0.43 0.32 -0.10 -0.30 -0.10 -0.07 0.27 0.06 -0.18
1.51	1.51	0.14	-0.04	0.17	0.14	0.04 0.14 -0.13	0.21	90.0			1.78	2.22	0.17	0.07	0.27
1.54	1.54			0.04	0.54 -0.25 0.01 -0.48 0.94 -0.48 -0.10 -0.27 0.38 0.04 0.14 -0.13	ı	0.03	0.00 -1.44 1.86 -1.40 -0.33 -1.03 0.36 0.06 0.06 -0.48			1.71	2.03	0.02	0.10	-0.07
1.21 0.98 1.00 1.00 0.86 1.02 1.04 1.15 1.54	1.54	0.54 -0.25 0.01 0.14 0.94 0.14 -0.10 -0.27 0.38	0.38	-0.01	0.38	0.01 -0.48 0.94 -0.48 -0.10 -0.27 0.38	0.02 0.49 0.02 0.44 0.13 0.50 0.39	0.36			1.60	2.18	0.10	0:30	-0.10
1.15	1.15	-0.27	0.11	-0.38	-0.27	-0.27	0.50	-1.03			1.30	1.89	-0.10	0.54 -0.43 -0.32 0.10	-0.30
1.04	1.04	-0.10	0.02	-0.11	-0.10	-0.10	0.13	-0.33	i		1.20	1.71	-0.21	1-0.32	0.10
1.02	1.02	0.14	0.48 -0.46	-0.02	-0.48	-0.48	0.44	-1.40			1.52	2.04	-0.06	-0.43	0.32
0.86	1.48	0.94	0.48	0.46	0.94	0.94	0.02	1.86			1.95	2.77	0.54	0.54	0.43
1.00	1.00	0.14	0.01	-0.48	-0.48	-0.48	0.49	-1.44			1.31	1.61	-0.36	0.03 -0.02 -0.09	-0.64
1.00	1.00	0.01	0.05	-0.01	0.01						1.39	2.05	0.03	-0.02	0.08
0.98	0.98	-0.25	0.30 -0.24	-0.02	-0.25	0.54 -0.25	0.22	1.01 -0.73			1.41	2.04	0.05		0.05
1.21	1.21	0.54	0.30	0.24			0.07				1.39	2.18	0.10	-0.28 -0.73 0.21	0.73 -0.23 -0.03
0.91	0.91	0.79 -0.63	09.0- 60.0	0.60 -0.30	-0.90	-0.90	0.29	-2.10			1.15	1.45	-0.48	-0.73	-0.23
1.31 1.23 0.91	1.42 1.51 0.91	0.79	0.09	0.60							2.16 1.88 1.15	2.50	0.22	-0.28	0.73
1.31	1.42										2.16				
WTE/WTR	MAXE/WTR	N-L + N-R	N-L	N-R	N-L D(N-R)	N-R D(N-L)	L(N-L) - (N-R)L	A+B-C	SUM MT/ SUM WT	INTENSITIES	N/L + N/R	N-L + N-R	N-L	N-R	

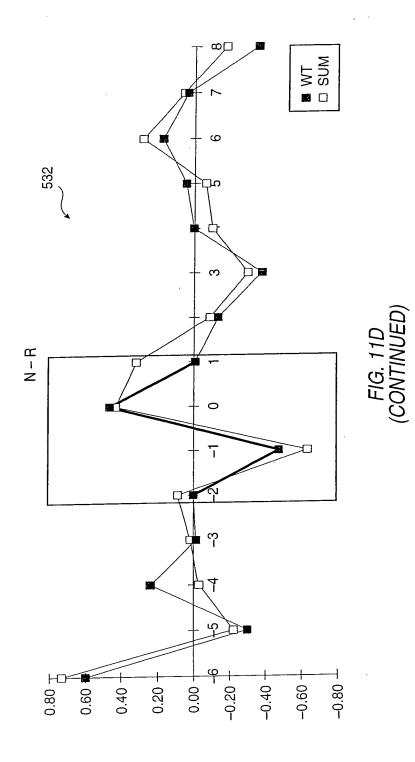
)				1	3/3	31						`,		
				√510						√218 —								_		524	
		0.37	0.42	0.13	0.09		T	0.37	0.34	0.16	0.12				250	4	Σ	0.01	-0.07	0.03	0.04
		0.26	0.51	0.12	0.11			0.26	0.46	0.15	0.14				249	O	×	0.00	0.03 -0.01 -0.05 -0.07	0.03	0.03
		0.20	0.29	0.16	0.36			0.21	0.28	0.19	0.32				248	F	×	0.01	-0.01	0.03	0.05 -0.04
		0.75	0.09	0.10	0.05			0.64	0.12	0.13	0.11				247	A	A	-0.11	,	0.03	
		90.0	0.88	0.04	0.03			0.05	0.80	0.10	0.05				246	O	O	0.00 -0.11	0.03 -0.08	90.0	0.02 0.01 0.05 0.02 0.07 0.04 -0.14 0.01 0.01 0.01 0.02
		0.87	0.07	90.0	0.01			0.83	0.09	90.0	0.02				245	A	⋖	0.07 -0.04	0.03	00'0	0.01
		0.07	0.90	0.03	0.01			0.16	0.80	0.05	0.02				244	O	O	0.07	0.00 -0.04 -0.11 -0.10	0.01	0.01
		0.10	0.83	0.04	0.02			0.16	0.72	0.08	0.03				243	ပ	O	90.0	-0.11	0.28 0.09 0.04	0.01
		0.16	0.23	0.17	0.44			0.26	0.19	0.25	0.29				242	1	×	0.15 -0.18 -0.32 0.09	-0.04	0.09	-0.14
		0.57	0.15	0.16	0.12			0.25	0.15	0.44	0.16		_		241	Α	×	-0.32			0.04
		0.75	0.10	0.07	0.07			0.58	0.15	0.13	0.14				240	⋖	A	-0.18	0.05	90.0	0.07
		0.11	0.80	0.05	0.04			0.26	0.46 0.57	0.11	90.0				239	O	O		-0.20 -0.23	90.0	0.05
		0.13	0.66	0.12	0.08			0.26	0.46	0.15	0.13				238	O	×	0.12	-0.20	0.03	0.05
		0.08	0.81	0.08	0.03			0.15	0.71	0.10	0.04				237	O	O	0.07	0.09 -0.10	0.05	0.01
		0.70	0.18	0.08	0.04			0.55	0.27	0.12	0.06				236	A	4	-0.15		0.04	
		0.57	0.29	0.09	0.04			0.37	0.45	0.11	0.06				235	A	Σ	-0.24 -0.20 -0.15	0.16	0.05	0.01 0.02
IES		0.61	0.24	0.11	0.04			0.37	0.40	0.18	0.05				234	٨	Σ	-0.24	0.17	0.07	0.01
NORMALIZED INTENSITIES	WILDTYPE	A	0	5	—	MUTANT	A	0	G		MT - MT (NORMALIZED	INTENSITIES)	POSITION:	WILDTYPE:	CALLED:	A	O	5	-		

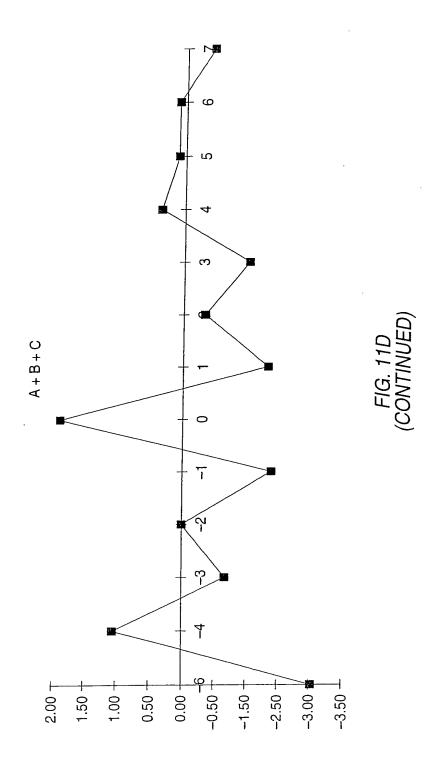
FIG. 11B (CONTINUED)











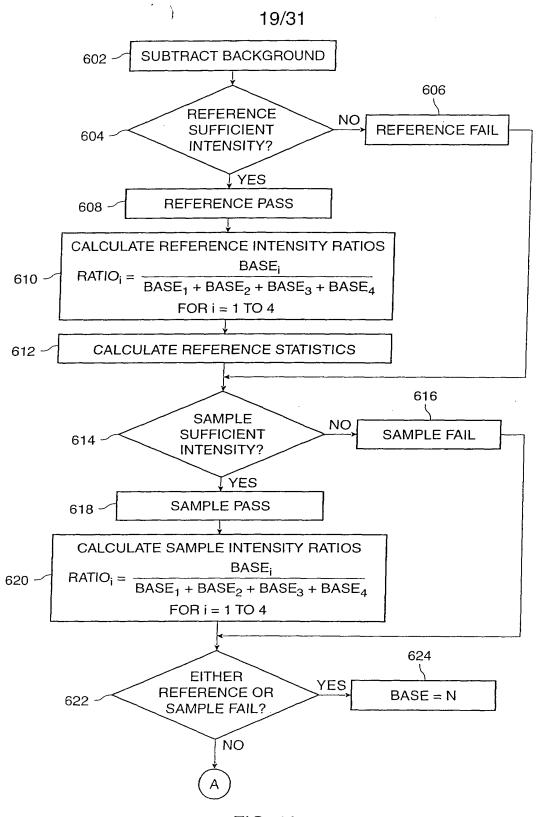
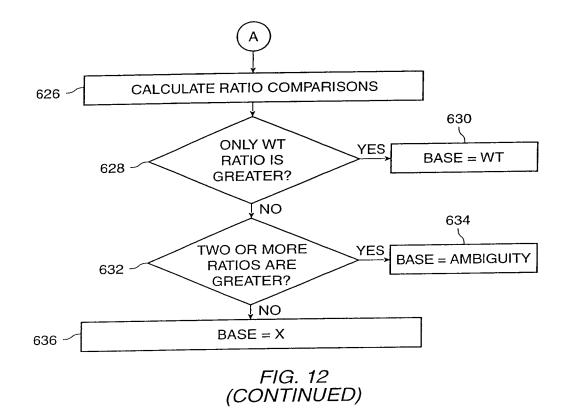


FIG. 12



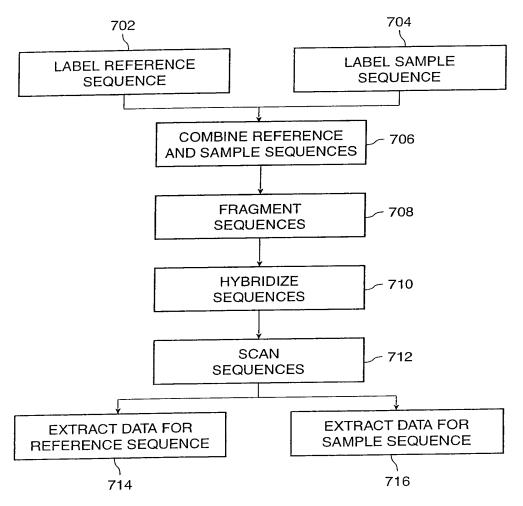
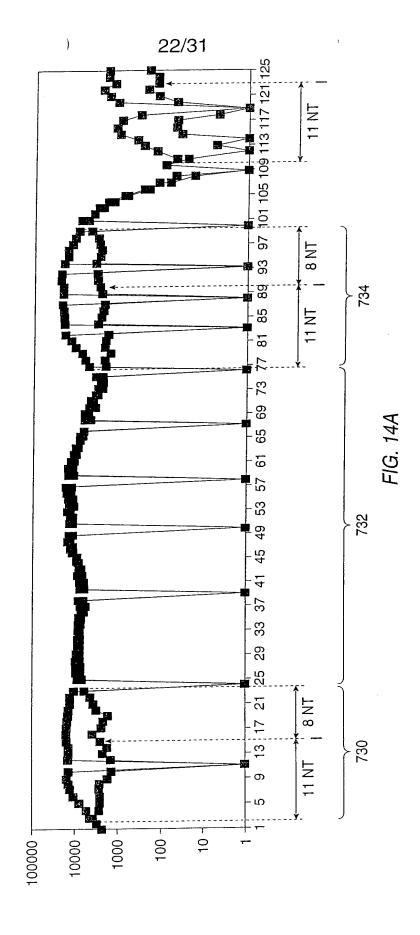
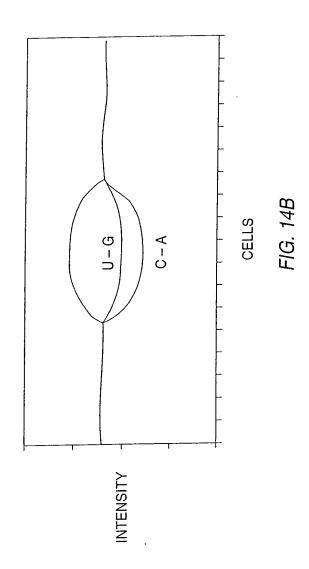
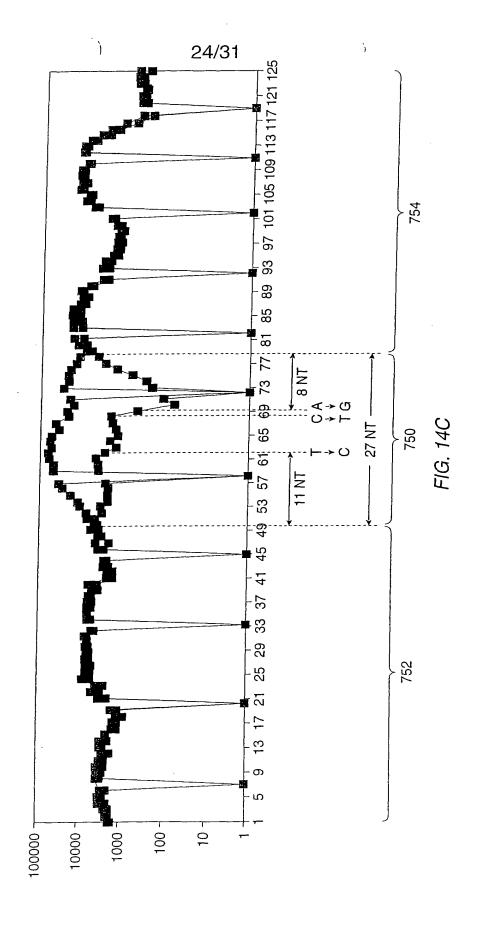


FIG. 13







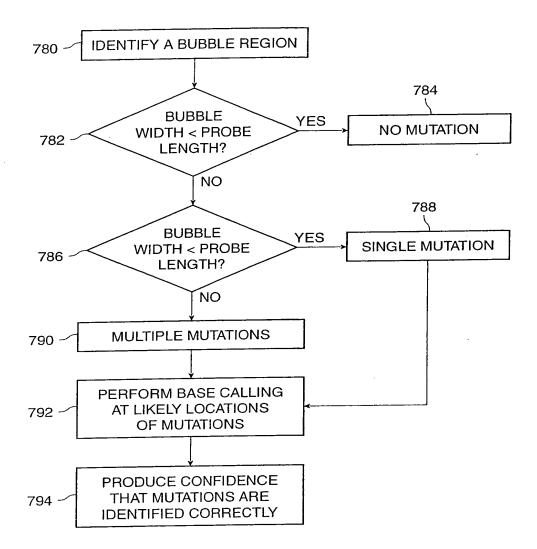
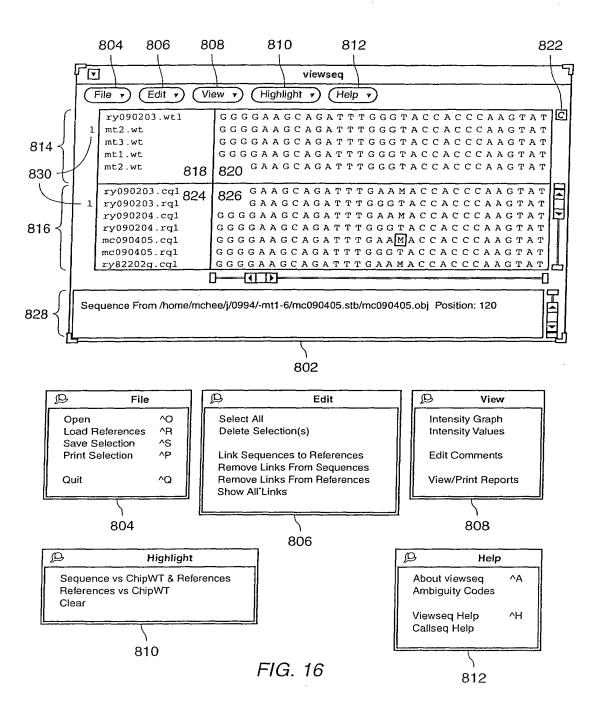
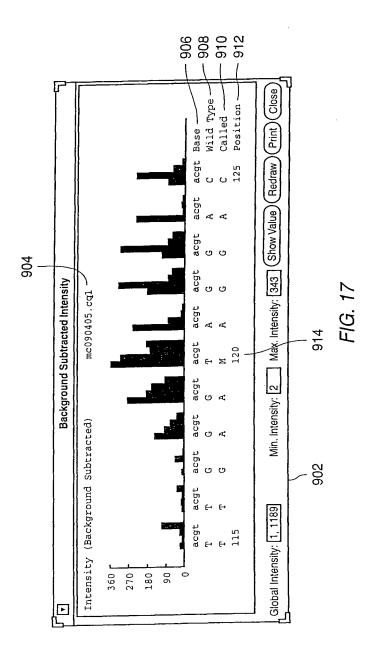


FIG. 15





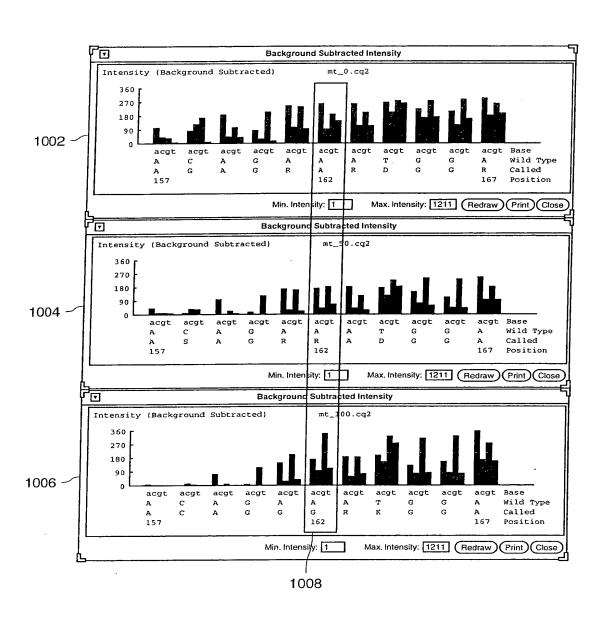


FIG. 18

Ċ-	·	ପ		
viewseq	(View v) (Highlight v) (Help v)	GCATTAGTAGAGATATGTACAGAAATGGAAAAGGGAAGGGAAAATTTCAAAAATTGGGCC gcattagtagaaatttgtacagagatggaaaggaagggaaatttcaaaaattgggcc	GCATTAGTAGAGATATGGAGAGRARXXXAAGGGAAAATTNNNAAAATTGGGCCCGCCTTAGTAGAGATATTGKASAGRARAXXXAAGGGAAAAKTNNNAAAATTGGGCCCGCCTTAGTAGAGATATGKASAGRRRDGGRAAXXXAAGGGAAAAATTNNNAAAATTGGCCCGCCGCTTAGTAGAGATATGTASAGRRRDGGAAAXGGAAGGGAAAATTNNNNAAATTGGCCCGCATTAGTAGAGATATGTACAGGGAAAXGGAAGGGAAAATTNNNNAAATTGGCCCGCATTAGTAGAGATATGTASAGRGAGAAXGGAAGGGAAAATTNNNNAAATTGGCCCGCATTAGTAGAGAGGAAAXGGAAAXGGAAAATTNNNNAAATTGGCCCGCATTAGTAGGGGANNGACAGGGAAAXXXAAGGGAAAATTNNNNAAATTGGGCC	FIG. 19
	File v Edit v	mt_0.wt2 1602.wt2	mt_0.cq2 mt_10.cq2 mt_25.cq2 mt_50.cq2 mt_75.cq2 mt_90.cq2	
		1104 –	1108	

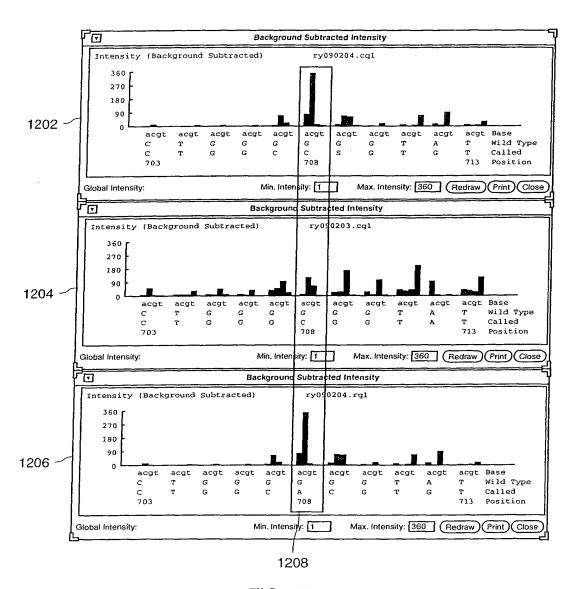


FIG. 20

CONSENSUS	PRE-TREATMENT	POST-TREATMENT	CONSENSUS	PRE-TREATMENT	POST-TREATMENT
togagataatotatgtoctcgtotactatgtcataatottotttacttaacggtoottttacctttggtttttactatc CONSENSUS 90 100 110 120 120 130 140	nngagatannntatgteetegteyaetatgtnannnnnnnnnnnnnnnnaaaeggteetnnnnnnnnnn	ncgggatantntatgtcctcgtcyactatgtcannnnncnnncnnncaaacggtcchccnnnnncnnnnnncyaha tcgrgataatctatgtcctcgtctattgtcataatcanatgtcataatcanncnnchctcaaacggtcctyccnnnnytggttnytactatctccgrgataatcataatcannchcaaaacggtcctyccnnnnytggttnttactatctccggagataatctatgtcctcgtctactatgtcataatcchnnctactactcaaaacggtccttctacttggtttttactatctctcgagataatctatgtcctcgtctactatgtcataatctttactatc	cccttaacctccaaaatagtttcattctgtcatgctagtctatggacatctttagacacctgtatttcgatatccatgt CONSENSUS 170 180 190 200 210 220 230 240 concertaacctccaaaatamnnnntctannnannntctannngnagnnnnaganarnccnnnnnnnnnatncatgt	cccttaacctccaaaatagtttcattctgncatannagtctatgngnnntagacagncnnnntcgatatccatgt cmmcttaacctccaaaatagtttcattctgtcatactagtctatgggtagctttagacamccgtatttcgatatccatgt ccmcttaacctccaaaatagtttcattctgtcatagtctatgggtagctttagacacccgtatttcgatatccatgt	<pre>aawcycaaacttccaaaatannnnnnntctnnnnnannncctnnnnnnagngnnagacacctgtatnnnnntatncaygt cccttaacctccaaaatagtttcattctgncatacnnstctannxnnagxgttagacacctgtatttcgatatccatgt cmccttaacctccaaaatagtttcattctgtcatactagtctatgagtagctttagacacctgtatttcgatatccatgt cmccttaacctccaaaatagtttcattctgtcatactagtctatgagtagctttagacacctgtatttcgatatccatgt ccmcttaacctccaaaatagtttcattctgtcatactagtctatgagtagctttagacacctgtatttcgatatccatgt</pre>

FIG. 2